ABSTRACT OF THE DISCLOSURE

An image processing apparatus has a distortion correction processing unit. The image processing apparatus has a distortion correcting range calculating unit that calculates an input image range necessary for distortion correction processing of the distortion correction processing unit. Thus, the corrected image (output image) obtained by the distortion correction processing can be outputted without overs and shorts for the image output range. The distortion is corrected by effectively using input (picked-up) image data, serving as the original data. Further, the distortion including the pincushion distortion, the barrel distortion, and the curvilinear distortion is effectively corrected.